

Customer No.: 31561
Docket No.: 12251-US-PA
Application No.: 10/707,195

AMENDMENT

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Please amend the application as indicated hereafter.

To the Claims:

Claim 1. (cancelled)

Claim 2. (currently amended) A telephone network structure, comprising:

a plurality of at least one internet-protocol (IP) phones ~~with a built-in gateway~~, wherein each of the IP phones with a[[the]] built-in gateway has an IP terminal, a plain old telephone service (POTS) terminal and a local telephone terminal such that a signal entering any one of the three terminals is permitted to convert and transmit to the remaining terminals simultaneously,

wherein the plurality of at least one IP phones ~~with the built-in gateway~~ connect[[s]] together in series by the IP terminal and the POTS terminal to form a telephone network, and all of the IP phones serve ~~with the built-in gateway server~~ a function of telephone conferencing conference.

wherein the serially connected IP phones comprise at least a unit assembled from a pair of the IP phones such that the POTS terminals are an internally connected point and the IP terminals are externally connected.

Claim 3. (cancelled)

Claim 4. (currently amended) The telephone network structure of claim [[3]]2, wherein the internally connected point also connects with a local telephone.

Claim 5. (original) The telephone network structure of claim 2, wherein both the front and the end terminals of the telephone network structure operate in an IP mode.

Claim 6. (original) The telephone network structure of claim 2, wherein both

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the front and the end terminal of the telephone network structure operate in a POTS mode.

Claim 7. (original) The telephone network structure of claim 2, wherein the front and the end terminal of the telephone network structure operates in a POTS mode and an IP mode respectively.

Claim 8. (original) The telephone network structure of claim 2, wherein the IP phone with a built-in gateway processes voice signals.

Claim 9. (original) The telephone network structure of claim 2, wherein the IP phone with a built-in gateway processes both voice and video signals.

Claim 10. (currently amended) A telephone network system, comprising:

at least an a plurality of internet-protocol (IP) phones, wherein at least one of the IP phones has a built-in gateway providing an IP terminal, a plain old telephone service (POTS) terminal and a local telephone terminal such that a signal entering any one of the three terminals is permitted to convert and transmit to the remaining terminals simultaneously,

wherein IP terminals or POTS terminals of two neighboring IP phones are serially connected together in the same mode to form a telephone network, wherein the serially connected IP phones comprise at least a unit assembled from a pair of IP phones with the built-in gateway such that the POTS terminals are an internally connected point and the IP terminals are externally connected.

Claim 11. (cancelled)

Claim 12. (currently amended) The telephone network system of claim ~~[[11]]~~10, wherein the internally connected point also connects with a local telephone exchange system.

Claim 13. (original) The telephone network system of claim 10, wherein both

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the front and the end terminal of the telephone network operate in an IP mode.

Claim 14. (original) The telephone network system of claim 10, wherein both the front and the end terminal of the telephone network operate in a POTS mode.

Claim 15. (original) The telephone network system of claim 10, wherein the front and the end terminal of the telephone network operates in a POTS mode and an IP mode respectively.

Claims 16-18. (cancelled)